

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/560,260
Source: JFwp
Date Processed by STIC: 12/20/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/24/05



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/560,260

DATE: 12/20/2005
TIME: 10:20:14

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

3 <110> APPLICANT: Segura, Dorotea
 4 Mygind, Per
 5 Hoegenhaug, Hans-Henrik
 6 Hoegenhaug, Hans-Henrik
 7 Tossi, Alessandro
 9 <120> TITLE OF INVENTION: Antimicrobial Peptides
 11 <130> FILE REFERENCE: 10328.204-US
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/560,260
 C--> 13 <141> CURRENT FILING DATE: 2005-12-09
 13 <160> NUMBER OF SEQ ID NOS: 75
 15 <170> SOFTWARE: PatentIn version 3.3
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 29
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
 26 <220> FEATURE:
 27 <221> NAME/KEY: MISC_FEATURE
 28 <222> LOCATION: (2)..(2) /
 29 <223> OTHER INFORMATION: Xaa = leucine or arginine
 31 <220> FEATURE:
 32 <221> NAME/KEY: MISC_FEATURE
 33 <222> LOCATION: (3)..(3) /
 34 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or phenylalanine
 36 <220> FEATURE:
 37 <221> NAME/KEY: MISC_FEATURE
 38 <222> LOCATION: (4)..(4) /
 39 <223> OTHER INFORMATION: Xaa = arginine or lysine
 41 <220> FEATURE:
 42 <221> NAME/KEY: MISC_FEATURE
 43 <222> LOCATION: (6)..(6) /
 44 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or phenylalanine
 46 <220> FEATURE:
 47 <221> NAME/KEY: MISC_FEATURE
 48 <222> LOCATION: (7)..(7) /
 49 <223> OTHER INFORMATION: Xaa = arginine, tryptophane or glycine
 51 <220> FEATURE:
 52 <221> NAME/KEY: MISC_FEATURE
 53 <222> LOCATION: (8)..(8) /
 54 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine, methionine,
 asparagine or
 55 glutamic acid
 57 <220> FEATURE:

 Does Not Comply
 Corrected Diskette Needed
 JP1-316

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/560,260

DATE: 12/20/2005
TIME: 10:20:14

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

58 <221> NAME/KEY: MISC_FEATURE
59 <222> LOCATION: (11)..(11)
60 <223> OTHER INFORMATION: Xaa = glycine, lysine, arginine or glutamic acid
62 <220> FEATURE:
63 <221> NAME/KEY: MISC_FEATURE
64 <222> LOCATION: (12)..(12)
65 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine or glutamic acid
67 <220> FEATURE:
68 <221> NAME/KEY: MISC_FEATURE
69 <222> LOCATION: (14)..(14)
70 <223> OTHER INFORMATION: Xaa = leucine or phenylalanine
72 <220> FEATURE:
73 <221> NAME/KEY: MISC_FEATURE *invalid* *Do you mean "glycine" or "lysine"?*
74 <222> LOCATION: (15)..(15)
75 <223> OTHER INFORMATION: Xaa = lycine or arginine
77 <220> FEATURE:
78 <221> NAME/KEY: MISC_FEATURE
79 <222> LOCATION: (17)..(17)
80 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, phenylalanine, cysteine
or tyrosine
82 <220> FEATURE:
83 <221> NAME/KEY: MISC_FEATURE
84 <222> LOCATION: (18)..(18)
85 <223> OTHER INFORMATION: Xaa = glycine, alanine or threonine
87 <220> FEATURE:
88 <221> NAME/KEY: MISC_FEATURE
89 <222> LOCATION: (19)..(19)
90 <223> OTHER INFORMATION: Xaa = glutamine, arginine, leucine or proline
92 <220> FEATURE:
93 <221> NAME/KEY: MISC_FEATURE
94 <222> LOCATION: (20)..(20)
95 <223> OTHER INFORMATION: Xaa = lysine, leucine, isoleucine, methionine or
valine
97 <220> FEATURE:
98 <221> NAME/KEY: MISC_FEATURE
99 <222> LOCATION: (23)..(23)
100 <223> OTHER INFORMATION: Xaa = proline, alanine, histidine, asparagine or
aspartic acid
102 <220> FEATURE:
103 <221> NAME/KEY: MISC_FEATURE
104 <222> LOCATION: (24)..(24)
105 <223> OTHER INFORMATION: Xaa = isoleucine or leucine
107 <220> FEATURE:
108 <221> NAME/KEY: MISC_FEATURE
109 <222> LOCATION: (25)..(25)
110 <223> OTHER INFORMATION: Xaa = arginine, histidine, glutamine or proline
112 <220> FEATURE:
113 <221> NAME/KEY: MISC_FEATURE
114 <222> LOCATION: (26)..(26)
115 <223> OTHER INFORMATION: Xaa = isoleucine or lysine
117 <400> SEQUENCE: 1
W--> 119 Gly Xaa Xaa Xaa Arg Xaa Xaa Lys Ile Xaa Xaa Lys Xaa Xaa Lys

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/560,260

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Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

120 1 5 10 15
W--> 123 Xaa Xaa Xaa Xaa Ile Lys Xaa Xaa Xaa Xaa Leu Val Pro
124 20 25
127 <210> SEQ ID NO: 2
128 <211> LENGTH: 29
129 <212> TYPE: PRT
130 <213> ORGANISM: Artificial
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
136 <220> FEATURE:
137 <221> NAME/KEY: MISC_FEATURE
138 <222> LOCATION: (2)..(2) /
139 <223> OTHER INFORMATION: Xaa = leucine or arginine
141 <220> FEATURE:
142 <221> NAME/KEY: MISC_FEATURE /
143 <222> LOCATION: (3)..(3) /
144 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or
phenylalanine
146 <220> FEATURE:
147 <221> NAME/KEY: MISC_FEATURE
148 <222> LOCATION: (4)..(4) /
149 <223> OTHER INFORMATION: Xaa = arginine or lysine
151 <220> FEATURE:
152 <221> NAME/KEY: MISC_FEATURE
153 <222> LOCATION: (6)..(6) /
154 <223> OTHER INFORMATION: Xaa = leucine, isoleucine, valine or
phenylalanine
156 <220> FEATURE:
157 <221> NAME/KEY: MISC_FEATURE /
158 <222> LOCATION: (7)..(7) /
159 <223> OTHER INFORMATION: Xaa = arginine, tryptophane or glycine
161 <220> FEATURE:
162 <221> NAME/KEY: MISC_FEATURE /
163 <222> LOCATION: (8)..(8) /
164 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine, methionine,
asparagine or
165 glutamic acid
167 <220> FEATURE:
168 <221> NAME/KEY: MISC_FEATURE
169 <222> LOCATION: (11)..(11) /
170 <223> OTHER INFORMATION: Xaa = glycine, lysine, arginine or glutamic acid
172 <220> FEATURE:
173 <221> NAME/KEY: MISC_FEATURE /
174 <222> LOCATION: (12)..(12) /
175 <223> OTHER INFORMATION: Xaa = lysine, arginine, glycine or glutamic acid
177 <220> FEATURE:
178 <221> NAME/KEY: MISC_FEATURE /
179 <222> LOCATION: (14)..(14) /
180 <223> OTHER INFORMATION: Xaa = leucine or phenylalanine
182 <220> FEATURE:
183 <221> NAME/KEY: MISC_FEATURE
184 <222> LOCATION: (17)..(17) /

tryptophan

RAW SEQUENCE LISTING
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TIME: 10:20:14

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

185 <223> OTHER INFORMATION: Xaa = isoleucine, phenylalanine, cysteine or tyrosine
 187 <220> FEATURE:
 188 <221> NAME/KEY: MISC_FEATURE
 189 <222> LOCATION: (19)..(19)
 190 <223> OTHER INFORMATION: Xaa = glutamine, leucine or proline
 192 <220> FEATURE:
 193 <221> NAME/KEY: MISC_FEATURE
 194 <222> LOCATION: (20)..(20)
 195 <223> OTHER INFORMATION: Xaa = lysine, leucine, isoleucine, methionine or valine
 197 <220> FEATURE:
 198 <221> NAME/KEY: MISC_FEATURE
 199 <222> LOCATION: (23)..(23)
 200 <223> OTHER INFORMATION: Xaa = proline, alanine, histidine, asparagine or aspartic acid
 202 <220> FEATURE:
 203 <221> NAME/KEY: MISC_FEATURE
 204 <222> LOCATION: (24)..(24)
 205 <223> OTHER INFORMATION: Xaa = isoleucine or leucine
 207 <220> FEATURE:
 208 <221> NAME/KEY: MISC_FEATURE
 209 <222> LOCATION: (25)..(25)
 210 <223> OTHER INFORMATION: Xaa = arginine, histidine, glutamine or proline
 212 <220> FEATURE:
 213 <221> NAME/KEY: MISC_FEATURE
 214 <222> LOCATION: (26)..(26)
 215 <223> OTHER INFORMATION: Xaa = isoleucine or lysine
 217 <400> SEQUENCE: 2
 W--> 219 Gly Xaa Xaa Xaa Arg Xaa Xaa Xaa Lys Ile Xaa Xaa Xaa Lys Xaa Lys Lys
 220 1 5 10 15
 W--> 223 Xaa Gly Xaa Xaa Xaa Ile Lys Xaa Xaa Xaa Xaa Leu Val Pro
 224 20 25
 227 <210> SEQ ID NO: 3
 228 <211> LENGTH: 29
 229 <212> TYPE: PRT
 230 <213> ORGANISM: Artificial
 232 <220> FEATURE:
 233 <223> OTHER INFORMATION: Synthetic antimicrobial peptide (Cat1)
 235 <400> SEQUENCE: 3
 237 Gly Leu Leu Arg Arg Leu Arg Lys Lys Ile Gly Lys Lys Leu Lys Lys
 238 1 5 10 15
 241 Ile Gly Gln Lys Ile Lys Pro Ile Arg Ile Leu Val Pro
 242 20 25
 245 <210> SEQ ID NO: 4
 246 <211> LENGTH: 29
 247 <212> TYPE: PRT
 248 <213> ORGANISM: Artificial
 250 <220> FEATURE:
 251 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
 253 <400> SEQUENCE: 4
 255 Gly Leu Leu Arg Arg Leu Arg Gly Lys Ile Gly Lys Lys Leu Lys Lys

RAW SEQUENCE LISTING DATE: 12/20/2005
PATENT APPLICATION: US/10/560,260 TIME: 10:20:14

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

256 1 5 10 15
259 Ile Gly Gln Lys Ile Lys Ala Ile Arg Lys Leu Val Pro
260 20 25
263 <210> SEQ ID NO: 5
264 <211> LENGTH: 29
265 <212> TYPE: PRT
266 <213> ORGANISM: Artificial
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
271 <400> SEQUENCE: 5
273 Gly Leu Leu Arg Arg Phe Arg Lys Lys Ile Gly Gly Lys Leu Lys Lys
274 1 5 10 15
277 Tyr Gly Gln Ile Ile Lys His Leu Arg Ile Leu Val Pro
278 20 25
281 <210> SEQ ID NO: 6
282 <211> LENGTH: 29
283 <212> TYPE: PRT
284 <213> ORGANISM: Artificial
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
289 <400> SEQUENCE: 6
291 Gly Leu Leu Arg Arg Leu Arg Arg Lys Ile Gly Gly Lys Leu Lys Lys
292 1 5 10 15
295 Phe Gly Gln Lys Ile Lys Pro Leu Arg Lys Leu Val Pro
296 20 25
299 <210> SEQ ID NO: 7
300 <211> LENGTH: 29
301 <212> TYPE: PRT
302 <213> ORGANISM: Artificial
304 <220> FEATURE:
305 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
307 <400> SEQUENCE: 7
309 Gly Leu Leu Arg Arg Leu Arg Lys Lys Ile Gly Lys Lys Leu Lys Lys
310 1 5 10 15
313 Phe Gly Gln Lys Ile Lys His Ile Arg Ile Leu Val Pro
314 20 25
317 <210> SEQ ID NO: 8
318 <211> LENGTH: 29
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Synthetic antimicrobial peptide
325 <400> SEQUENCE: 8
327 Gly Leu Leu Lys Arg Leu Gly Arg Lys Ile Gly Lys Lys Leu Lys Lys
328 1 5 10 15
331 Phe Gly Gln Lys Ile Lys Ala Ile Arg Lys Leu Val Pro
332 20 25
335 <210> SEQ ID NO: 9
336 <211> LENGTH: 29

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/560,260

DATE: 12/20/2005
TIME: 10:20:15

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4,6,7,8,11,12,14,15,17,18,19,20,23,24,25,26

Seq#:2; Xaa Pos. 2,3,4,6,7,8,11,12,14,17,19,20,23,24,25,26

Seq#:58; Xaa Pos. 2,3,4,6,7,8,11,12,14,15,17,18

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,

per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27

Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51

Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/560,260

DATE: 12/20/2005
TIME: 10:20:15

Input Set : A:\01 10328.204-WO sequence listing.ST25.txt
Output Set: N:\CRF4\12202005\J560260.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
L:219 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
L:1288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1292 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:16